

## WGJS70 CONVEYOR BELT LOADER



WGJS70 Conveyor Belt loader is designed to deliver loose cargo and baggage to the aircraft compartment. The JS70 is available powered by various engines and utilizes a hydrostatic drive system eliminating the need for a mechanical transmission. The boom is available in different lengths and widths to suit all applications. This unit is extremely reliable and easy to maintain. The drivers station has been ergonomically designed to provide maximum driving comfort, simple controls and good visibility.

### **CHASSIS:**

The chassis is self-propelled with hydrostatic drive utilizing SAUER-DANFOSS pumps and controls with "PLC" programmable logic controller. The standard engine is ISUZU 4JG2 diesel 60 Hp (45kw). The service disk brakes are dual path. The parking brake is mechanical and acts on the drive shaft. The steering is hydraulic power steering. The tires and axles are rated at the proper carrying capacity for the loads encountered. A driver's cab is optional and includes heater, defroster, windshield wipers, door and drivers control panel. The fuel tank is 105 liters.

### **ELECTRICAL DESIGN:**

Work light and battery disconnect switch. The drivers control panel is equipped with all required indicators and lights. The unit is equipped with headlights, stoplights, and front and rear turn indicators.

### **HYDRAULICS:**

The hydraulic circuit consists of a dual pump system: one for the belt operation, low pressure-2,300 psi (16Mpa) and the other for vehicle movement, higher pressure 4350 psi (30Mpa). Maximum vehicle speed is 20 M/h (35Kph).

**BOOM:**

Standard boom is 314 inches (7980mm) long and the belt is 27.5 inches (700mm) wide. The unit can carry a load of 2200 lbs. (1000kg) evenly distributed over the length of the belt. Maximum belt speed 100ft/mn (30 m/min). Full-length package guides on both sides of the boom are provided. Belt speed is adjustable 50 – 100 ft/min (15 to 30 M/min)

**BOOM AND BELT CONTROLS:**

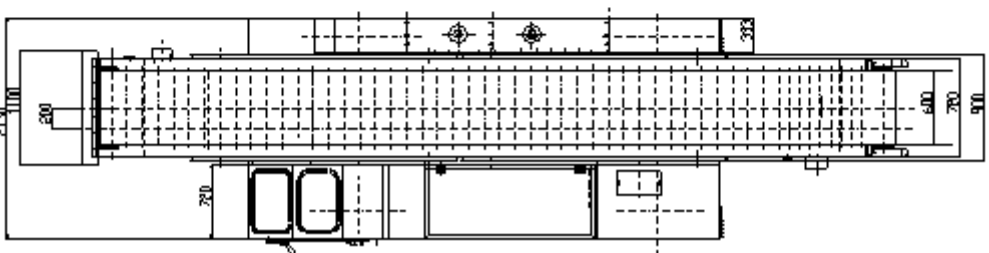
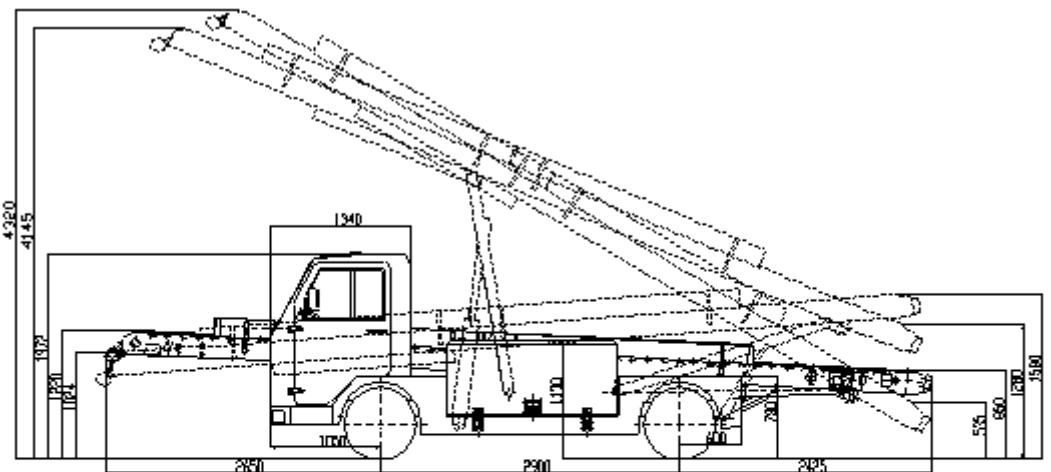
All operations are controlled though solenoid valves. Belt movement is accomplished with a hydraulic motor acting upon a drive motor. Two single acting cylinders mounted in "H" frames are used to raise and lower the boom in both the front and rear.

**ELECTRICAL DESIGN:**

12VDC system. Electric Horn, Work light and battery disconnect switch. The drivers control panel is equipment with all required indicators and lights. The unit is equipment headlights, stop lights, and front and rear turn indicators.

**OPTIONS:**

- Drivers cab (heater defroster, etc.).
- Different lengths/width of boom
- Spare wheel and tire
- Manual hydraulic pump for emergencies
- Flashing or rotating beacon
- Guardrails and handrails
- Boom canopy
- Hydraulic supporting



**WEIGHT: 7937 lbs. (3600kg)**

**NOTE Parameters subject to change without notice to technical improvements.**